

Pre AP Chemistry
Fall 2016, Semester I
Final

Semester I Overview

**I. Metric system & Dimension
Analysis**

II. Matter

**Pure substances, compounds and
elements**

**Mixtures, heterogeneous and
homogenous**

**Chemical and physical properties
and changes**

**III. Periodic Table
Organization
Trends**

**IV. Atom
History of discoveries
Parts
Electron structure elements
and ions
Isotopes
Average atomic mass**

Semester I Overview continued

V. Chemicals

Types Compounds, ions

Nomenclature

Writing formulas

VI. Chemical reaction

Reaction types

Predicting reactants and products

Balancing reaction

Precipitates

Net ionic equations

VII. Basic Lab skills

Heating liquids, measuring exact quantities of liquids and solids, filtrations, finding density, etc.